**REDACTED VERSION** 

THE SOIL SAMPLING ANALYTICAL RESULTS JUL 2, 1998 - FEB 5, 1999

6330 E 75th St , Suite 152

Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-5894

Attn Chris Sansome

Ecology & Environment
11550 New Castle Avenue
Suite 250
Baton Rouge, LA 70816

**REC'D** JUL 0 7 1998

Thursday, July 02, 1998

Ref Number IN982176

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project 020601RAG01 - WESTBANK ASBESTOS

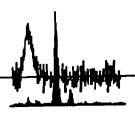
			SAMPLE	ASBEST	<u>os</u>		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS
WBS1690G14	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2% Chryso	tile			98%	Other
WBS1690G15		Brown Non Fibrous Homogeneous	Crushed	2% Chryso	tile			98%	Other
WBS1690G16		Brown Non Fibrous Homogeneous	Crushed	2% Chryso	tile			98%	Other
WBS1860G01		Brown Non Fibrous Homogeneous	Crushed	2% Chryso	tile			98%	Other
WBS1860G02		Brown Non Fibrous Homogeneous	Crushed	2% Chryso	tile			98%	Other
WBS1919G01		Brown Non Fibrous Homogeneous	Crushed	2% Chryso	tile			98%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198 1 Method

Jane Wasilewski Analyst Approved Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All. TNLAP' reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



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Thursday, July 02, 1998

**Ref Number** IN982176

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project 020601RAG01 - WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u> % TYPE	<u>NONASE</u> % FIBROUS	B <u>ESTOS</u> % NONFIBROUS
WBS1919G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	None Detected		100% Other
WBS1855G01		Brown Non Fibrous Homogeneous	Crushed	18% Chrysotile 2% Crocidolite		80% Other
WBS1855G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite		100% Other
WBS1849G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite		100% Other
WBS1#56G01		Brown Non-Fibrous Homogeneous	Crushed	None Detected		100% Other
WBS1 <b>#</b> 56G02		Brown Non Fibrous Homogeneous	Crushed	None Detected		100% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

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Jane Wasilewski Analyst

Approved Signatory

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Thursday, July 02, 1998

Ref Number IN982176

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601RAG01 - WESTBANK ASBESTOS

			SAMPLE	<u>ASBI</u>	ESTOS		NONASE	ESTOS	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS1836G01		Brown Non Fibrous Homogeneous	Crushed	No	ne Detected			100%	6 Other
WBS1074G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Ch				100%	6 Other
WBS1074G02		Brown Non-Fibrous Homogeneous	Crushed	< 1% Ch	-			100%	Other
WBS1850G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Ch				100%	6 Other
WBS1850G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Ch				100%	Other
WBS1850G03	The de	Brown Non Fibrous Homogeneous	Crushed	No	ne Detected			100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198 1 Method

Jane Wasilewski **Analyst** 

Approved Signatory

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Fax (317) 570-5894 EMSI

Attn Chris Sansome

Ecology & Environment
11550 New Castle Avenue
Suite 250
Baton Rouge, LA 70816

Thursday, July 02, 1998

Ref Number IN982176

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project 020601RAG01 - WESTBANK ASBESTOS

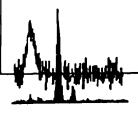
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBI</u> %	<u>STOS</u> TYPE	%	<u>NONASE</u> FIBROUS	ESTOS %	NONFIBROUS
WBS1838G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Ch < 1% Cr	•			100%	6 Other
WBS1838G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Ch	rysotile			100%	o Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Jane Wasilewski Analyst Approved Signatory

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EPA 7500-53

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ENVIRONMENTAL PROTECTION AGENCY

## OFFICIAL CHAIN OF CUSTODY RECORD

ت **ک**نی PROJECT NAME PROJ NO WestBank Asbestos 620601 NO SAMPLERS (Signature) OF (oe) REMARKS Jaurence CON **FAINTHS** DATE TIME STATION LOCATION STA NO 6-152244 1955601 6 2988 0930 NBS 1858401 6-1522 45 0935 ₩**6**% 189960l 6-1522-46 10,00 1836601 6-1522-47 11.15 WAS 6-152248 11:20 6-152249 1836601 6 2990 15:30 Relinguished by (Signature) Date / Time Received by (Signature) Relinquished by (Signature) Date / Time Received by (Signature) 1429198 Relinquished by (Signature) Received by 15 yours of Date / Time iquished by (synatura) Received by (Signature) Date / Time Relinquished by (Signature) Date / Time Remarks Date / Time Received for Laboratory in (Signatura) Shipped by Airbill Number Distribution White Accompanies Shipment Pink to Constinut I field File Green to Report Yellow Returns with Warrant

EPA 7500-53 (11/96)

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# OFFICIAL CHAIN OF CUSTODY RECORD

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EPA 7500-53

Green to Report Yellov/ Returns with Warrant

6 1005/

**Ecology & Environment** Client

7/1/98 Logged

TAT 1 Day

Address

11550 New Castle Avenue

Date/Time Due

7/2/98

9 00 AM

Fax

Baton Rouge LA 70816 (504) 363 - 4732

Surte 250

**Special Handling** 

**Billing Number** 

IN982176

020601rag1WESTBANK ASBESTOS

	Appearance		Treatment	Asbestos Results	Fibro	us	Non Fibrous		Optical Properties
Brown o Vanous Grey Black Tar & Sulver Wlute 9 Blue Red 0 Orange	1 Fibrous 2 Non Fibrous 13 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	3 Dissolved 4 Ashed	Chrysotile     Amoste     Anthophyllite     Tremolite     Actinolite     Crocidolite     None Detected	1 Cellulose 2 Glass 3 Mm Wool 4 Synthetic 5 Other 6 Wollastorute 7 Hair		1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matnx 6 Perlit 7 Other	Non	1 Warn 1 Shugh 5 ft F
Sample	Location	Appearance	Treatment	% ASBESTOS	Fıbr Type	ous   %	Non Fibrous Type %	Asb Char	1 1 Low 1 Parall 1 Symmetr Obl que
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Analyst Loof Harrow Date 7/2/98 Computer

6330 E 75th St , Suite 152 Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-588 EMS

Attn Chris Sansome **Ecology & Environment** 11550 New Castle Avenue Suite 250 Baton Rouge, LA 70816

Friday, July 03, 1998

Ref Number IN982187

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project 020601RAG01 - WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u> % TYPE	%	<u>NONASB</u> FIBROUS		NONFIBROUS
WBS1862G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile			98%	Other
WBS1758G01		Brown Non Fibrous Homogeneous	Crushed	None Detected			100%	Other .
WBS1830G01		Brown Non Fibrous Homogeneous	Crushed	5% Chrysotile			95%	Other
WBS1830G03		Brown Non Fibrous Homogeneous	Crushed	5% Chrysottle < 1% Crocidolite			95%	Other
WBS1835G01		Brown Non Fibrous Homogeneous	Crushed	5% Chrysotile 2% Crocidolite			93%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also, # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198-1 Method

Approved Signatory

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**Ecology & Environment** 7/1/98 **TAT** Client Logged 1 Day 11550 New Castle Avenue 7/2/98 9 00 AM Date/Time Due Address Surte 250 Baton Rouge LA 70816 **Special Handling Billing Number** (504) 363 - 4732 Fax IN982176 020601rag1WESTBANK ASBESTOS Appearance Treatment Asbestos Results Fibrous Non Fibrous Optical Properties Chrysotile l Cellulose 1 Quartz 1 Brown 6 Vanous 1 Fibrous 1 Homogeneous Teased 2 Glass 2 Mica Grey 7 Tan Black 2 Non Fibrous Heterogeneous 2 Crushed Amosite 3 Dissolved Anthophy lbt. Min Wool 3 Gypsum |3 Other 8 Silver Other 4 Synthetic 5 Other 4 What <sup>Q</sup> Blue 4 Layers (#) 4 Ashed Tremohte 4 Cal Carbonate 5 Actmolite 6 Crocidolite 0 Orange 5 Matrix Wave Stra ght Specify Wollastorute o Perlite 0 None Detected Нал Other Non Non Fibrous Fibrous Asb Char % ASBESTOS Sample Location Appearance Treatment Type Type 1855 21 1.54 41 G02 1549 1 100 2 (-C1 1856 100 M C-01 J В E 160 1856 M G02 В E 1 B 1866 100 М J 601 В 541 1074 < 100 L 601 1074 <1 100 2 602 1850 - 41 100 154 601 Analy st Date

EMSC Indianapolis 6330 E 75th St Suite 152 Indianapolis IN 46250

Client	Ecology 8	& Environmen	nt		Logged	7/1/9	8			TAT	1 Day	'	
Address	11550 New Castle Avenue Surte 250 Baton Rouge LA 70816 (504) 363 4732				Date/Time Due	7 <i>[</i> 2/9	8	9 00	AM		<b>.</b>		<del></del> -]
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		ppearance		Treatment	Asbestos Result	s	Fibro	us	Non F	ibrous	7	Optical Properties	a
i Brown 2 Grey 3 Tan 4 White 5 Red	o Vanous Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	Chrysotile     Amosite     Anthophyllite     Tremolite     Actinobile     Crocidolite     None Detect d	2 3 4 5 6	Cellulose Glass Min Wool Synthetic Other Wollastorute Hair	e	1 Quartz 2 Mica 3 Gypsum 4 Cal Car 5 Matrix 6 Perlite 7 Other	bonate	Non	M M 1 W M 1 Strugge 1 Strugge 3 Sp (	-
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	mple	Location	Appearance	Treatment	% ASBESTOS	3	Туре	%	Type	<u>%</u>	Cilai	l H	<u>-</u> 
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**PLM Analysis Worksheet** 7/2/98 TAT **Ecology & Environment** 1 Day Client Logged Address 11550 New Castle Avenue Date/Time Due 7/3/98 9 00 AM Suite 250 Baton Rouge LA 70816 Special Handling Billing Number (504) 363 4732 Fax IN982187 020601RAG01 WESTBANK ASBESTOS Project Non-Fibrous Optical Properties Appearance Treatment Asbestos Results Fibrous 6 Vanous 7 Black 1 Cellulose Quartz 1 Brown l Fibrous 2 Non Fibrous Teased Crushed Chrysotile 1 Homogeneous Mica 2 Glass 2 Grey 2 Heterogeneous Amosite Gypsum Cal. Carbonate 8 Silver 3 Other Dissolved Anthophylhte Mın Wool 3 Other 4 Layers (#) 3 Tan 4 White Ashed Tremolite 4 Synthetic 5 Other Matrix 5 Red 0 Orange 5 Actmobite Wollastorute Perlite Crocadohte 0 None Detected Hair Other Non-**Fibrous** Non Fibrous Asb Char Sample Location Appearance Treatment % ASBESTOS Type Туре UBS -20/0 98 7 1862 2 2 601 ₿ 1758 ND 10C) 2 M I s 2 GOI В E 1830 1-5% 7 95 2 2 601 1530 95 7 G03 2 i 1835 ١ 93 601 2 Ε ì ₿ S В Ε ₿ 5 В E ₿

Analyst Loef-Hackoupate 7/3/98 Computer Date 7/3

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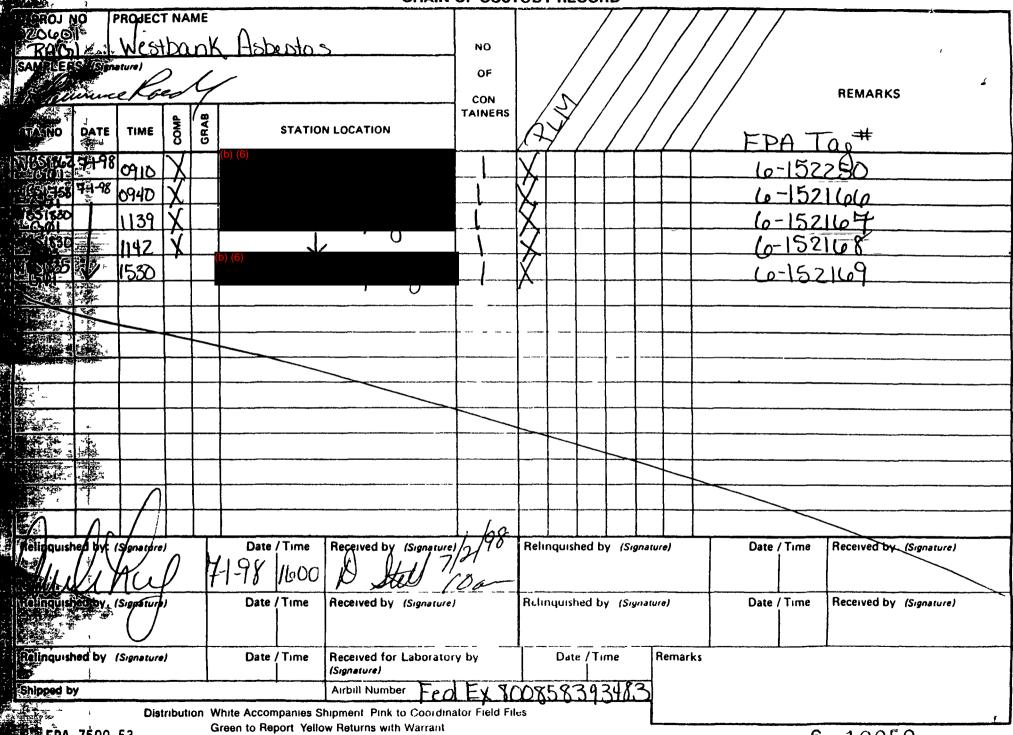
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EMSL indianapolis, 6330 E. 75th St Suite 152, Indianapolis, IN 46250

ENVIRONMENTAL PROTECTION AGENCY

## OFFICIAL CHAIN OF CUSTODY RECORD



EPA 7500-53 (11/96) 6- 10252

6330 E /5th St , Suite 152 Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-589

Attn Chris Sansome **Ecology & Environment** 11550 New Castle Avenue **Suite 250** Baton Rouge, LA 70816

**RECD JUL 1 0 1998** 

Monday, July 06, 1998

Ref Number IN982216

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project 020601RAG01 WESTBANK ASBESTOS

			SAMPLE	ASI	BESTOS		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS
WBS1981G01	(b) (6)	Brown	Crushed	5% C	hrysotile	-		74%	Quartz
		Non Fibrous Homogeneous		1% 0	rocidolite			20%	Other
WBS1981G0G0		Brown	Crushed	1% 0	hrysotile			78%	Quartz
2		Non Fibrous Homogeneous		1% C	rocidolite			20%	Other
WBS1981G03		Brown	Crushed	1% C	hrysotile			78%	Quartz
		Non Fibrous Homogeneous		1% C	rocidolite			20%	Other
WBS1981G04		Brown	Crushed	2% C	hrysotile			78%	Quartz
		Non Fibrous Homogeneous		< 1% C	rocidolite			20%	Other
WBS1981G05		Brown	Crushed	1% C	hrysotile			78%	Quartz
		Non Fibrous Homogeneous		1% C	rocidolite			20%	Other
WBS1856G01		Brown	Crushed	1% C	hrysotile	Ì		78%	Quartz
		Non Fibrous Homogeneous		1% C	rocidolite			20%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also, # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198-1 Method

Approved Signatory

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Client **Ecology & Environment** 

7/3/98 Logged

7/6/98

TAT 1 Day

Address

11550 New Castle Avenue

Date/Time Due

9 00 AM

Surte 250

Baton Rouge LA 70816

(504) 363 4732 Fax

Special Handling

**Billing Number** 

IN982216

Project 020601RAG01 WESTBANK ASBESTOS

	Α	ppearance	*	Treatment	Asbestos Results	Fibro	us	Non Fibrous		Optical Pr	operties		
1 Brown 2 Grey 3 Tan 4 Whut 5 Rea	o Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	Chrysotie     Amosite     Anthophylht.     Tremohie     Actinohie     Crocadohie	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastorute	•	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perhte		1 Wany M 1 Wany 2 Straight 3 Spe fy	s 1 2		
					0 None Detect.d	7 Haur Fibr	ous	7 Other Non Fibrous	Non Asb	3 Sper Ty  1 B 1 Y   1 Low N M d 3 Higt	E [ Jerali ]		
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# OFFICIAL CHAIN OF CUSTODY RECORD

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6330 E 75th St , Suite 152 Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-5894

Attn Chris Sansome

Ecology & Environment REC'D JUL 1 7 1998 11550 New Castle Avenue

Thursday, July 09, 1998

**Suite 250** 

Ref Number

IN982270

Baton Rouge, LA 70816

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### **Project 020601 WESTBANK ASBESTOS**

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBES</u> %	STOS TYPE	%	<u>NONASB</u> FIBROUS		NONFIBROUS
WBS1859G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chry < 1% Croc	/sotile	70	7 II NOOS	30%	Quartz Other
WBS1427G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chry	/sotile				Quartz Other
WBS1427G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chry	/sotile				Quartz Other
WBS1427G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chry	sotile				Quartz Other
WBS1853G01		Brown Non Fibrous Homogeneous	Crushed	None	e Detected			100%	Other

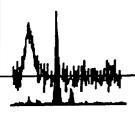
Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198 1 Method

Jane Wasılewskı Analyst

Approved Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



ENVIRONMENTAL PROTECTION AGENCY

#### **OFFICIAL CHAIN OF CUSTODY RECORD**

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(11/96)

**6-** 10254

ient) آمنہ **Ecology & Environment** 

Logged

7/8/98

1 Day TAT

Address

11550 New Castle Avenue

Date/Time Due

7/9/98

9 00 AM

Surte 250

Baton Rouge LA 70816

(504) 363 - 4732 Fax

Special Handling

**Billing Number** 

IN982270

020601 WESTBANK ASBESTOS Project

	Appearance		Treatment	Asbestos Results	Fibro	us	Non-F	ibrous	1	Optical Pi	roperties	1
1 Brown 6 Vanous 2 Grey 7 Black 3 Tan 8 Salver 4 Whute 9 Blue 5 Red 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	3 Other	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amoste 3 Anthophylite 4 Tremoite 5 Actnoiste	1 Cellulose 2 Glass 3 Mm. Wool 4 Synthetic 5 Other		1 Quartz 2 Mica 3 Gypsum 4 Cal. Carl 5 Matrix			M 1 Warr	3	
	·		L	6 Crocadolite 0 None Detected	6 Wollastorute 7 Hair		6 Perlite 7 Other		Non-	M 1 Wary 2 Straight 3 Specify	i 	
Sample	Location	Appearance	Treatment	% ASBEŞTOS	Fibro	ous %	Non-F Type	ibrous   %	Asb Char	P B 1 Yes   1 Low 2 N 2 Med 3 High	E 1 Parallei 2 Systemetrae 3 Oblique	
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Computer

6330 E. 75th St., Suite 152, Indianapolis, IN 48250

<del>6330 E 75th St , Suite 152</del> Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-5894

Attn Chris Sansome

**Ecology & Environment** 

Monday, July 13, 1998

Suite 250

11550 New Castle Avenue REC'D JUL 1 7 1998

Ref Number

IN982295

Baton Rouge, LA 70816

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u> % TYPI	E %	NONASBESTO FIBROUS	<u>OS</u> % NONFIBROUS
WBS1863G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	None Detec	ted	10	00% Other
WBS1840G01		Brown Non-Fibrous Homogeneous	Crushed	3% Chrysotile <1% Crocidolite		Ş	7% Other
WBS1840G02		Brown Non Fibrous Homogeneous	Crushed	None Detec	ted	10	00% Other
WBS1758G02		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite		S	98% Other
WBS1999G01		Brown Non Fibrous Homogeneous	Crushed	None Detect	ted	10	0% Other
WBS1999G02		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile		9	8% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

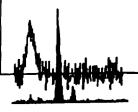
NY samples also analyzed by ELAP 198-1 Method

Richard K Harding

Analyst

Approved Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product. endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples



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Phone (317) 570-5892

Fax (317) 570-5894 EMS

Attn Chris Sansome **Ecology & Environment** 11550 New Castle Avenue **Suite 250** Baton Rouge, LA 70816

Monday, July 13, 1998

**Ref Number** IN982295

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### **Project 020601 WESTBANK ASBESTOS**

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBI</u> %	ESTOS TYPE	%	<u>NONASE</u> FIBROUS	ESTOS %	NONFIBROUS
WBS1996G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	No	ne Detected			100%	Other
WBS1996G02		Brown Non Fibrous Homogeneous	Crushed	No	ne Detected			100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

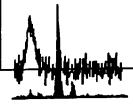
NY samples also analyzed by ELAP 198-1 Method

Richard K Harding

Analyst

Approved Signatory

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Client Ecology & Environment Logged 7/10/98 TAT 1 Day

Address 11,550 New Castle Avenue Date/Time Due 7/13/98 9 00 AM

Surte 250 Baton Rouge LA 70816

Fax (504) 363 - 4732

Project 020601 WESTBANK ASBESTOS

Special Handling

Billing Number

IN982295

	Appearance		Treatment	Asbestos Results	Fibro	ous	Non	Fibrous	]	Optical I	Properties	_
I Brown 6 Vanous 2 Grey 7 Black 3 Tan 8 Silver 4 White 9 Blue 5 Red 0 Orange	1 Fibrous 2 Non Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocadolite	1 Celhilose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonit 7 Hair		1 Quartz 2 Mica 3 Gypsun 4 Cal Car 5 Matrix 6 Perlite 7 Other	1	Non-	1 Wasy 2 Strugts 3 Specify	3 1 2	
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Analyst

Date: 2/3/28 C

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Date The Date

EMSL indianapolis, 6330 £. 75th St., Suite 152, Indianapolis, IN 46250

**OFFICIAL CHAIN OF CUSTODY RECORD** 

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EPA 7500-53 (11/96)

6- 10241

0330 E 75th St., Suite 152 Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-5894

Attn Chris Sansome **Ecology & Environment** 11550 New Castle Avenue

Suite 250 Baton Rouge, LA 70816 REC'D JUL 1 5 1998

Wednesday, July 15, 1998

Ref Number IN982327

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

**Project 020601 WESTBANK ASBESTOS** 

			SAMPLE	<u>ASBESTOS</u>		NONASI	BESTOS	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	% TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS1937G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	None Detected			100%	o Other
WBS727G01		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile <1% Crocidolite			98%	Other
WBS727G02	i.	Brown Non Fibrous Homogeneous	Crushed	None Detected			100%	Other
WBS727G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			100%	Other
WBS727G04		Brown Non-Fibrous Homogeneous	Crushed	2% Chrysotile			98%	Other
WBS2006G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

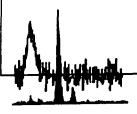
NY samples also analyzed by ELAP 198-1 Method

Richard K Harding

**Analyst** 

Approved Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP' reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



6330 E 75th St , Suite 152 Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-5894 EMS

Attn Chris Sansome **Ecology & Environment** 11550 New Castle Avenue **Suite 250** Baton Rouge, LA 70816

Wednesday, July 15, 1998

Ref Number IN982327

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u> % TYPI	E %	<u>NONASBESTOS</u> FIBROUS %	NONFIBROUS
WBS2007G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	None Detec	ted	1009	6 Other
WBS2007G02		Brown Non Fibrous Homogeneous	Crushed	None Detec	ted	1009	6 Other
WBS2006G02		Brown Non Fibrous Homogeneous	Crushed	None Detec	ted	1009	6 Other
WBS1918G01		Brown Non-Fibrous Homogeneous	Crushed	1% Chrysotile		99%	6 Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

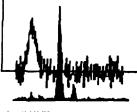
\* NY samples also analyzed by ELAP 198-1 Method

Richard K Harding

Analyst

Approved Signatory

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**Ecology & Environment** Client

7/13/98 Logged

TAT 1 Day

Address

11550 New Castle Avenue

Date/Time Due

7/14/98

9 00 AM

Surte 250 Baton Rouge LA 70816

(504) 363 4732 Fax

**Special Handling** 

**Billing Number** 

IN982327

020601 WESTBANK ASBESTOS Project

			·	\					J		
	Appearance		Treatment	Asbestos Results	Fibro	ous		Fibrous	]	Optical Properties	
1 Brown 6 Vanous 2 Grey 7 Black 3 Tan 8 Silver 4 White 9 Blue 5 Red 0 Orange	1 Fibrous 2 Non Fibrous 3 Other	i Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	2 Armosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastorut 7 Hair	e	1 Quartz 2 Mica 3 Gypsun 4 Cal. Cai 5 Matrix 6 Perlite 7 Other			i i i i i i i i i i i i i i i i i i i	
				0 Note Decered		rous	+	h	Non-	P B	
Cample	Location		Trantment	% ASBESTOS		ws %		ibrous %	Asb Char	1 Yes   1 Low   1 Parall   2 N   2 Med   2 Symmetrs   3 High   3 Oblique	
Sample	Location	Appearance	Treatment	NP	Туре	70	Type 7	100			
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601		1	<u> </u>							P B E	
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G03		2	2	1 Charset lead 6 Cove del te	1					/M / S	2
	· · · · · · · · · · · · · · · · · · ·	1								及 P / E	2/2
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Date

Computer

Date

EMSL Indianapolis 6330 E 75th St Suite 152, Indianapolis IN 46250

**PLM Analysis Worksheet** 7/13/98 **Ecology & Environment** TAT 1 Day Client Logged 11550 New Castle Avenue Date/Time Due 7/14/98 9 00 AM Address Surte 250 Baton Rouge LA 70816 Special Handling **Billing Number** (504) 363 - 4732 Fax IN982327 **Project** 020601 WESTBANK ASBESTOS **Treatment** Asbestos Results Fibrous Non Fibrous Appearance **Optical Properties** 6 Vanous 1 Fibrous 1 Homogeneous Teased Chrysotile 1 Cellulose Quartz 1 Brown 2 Non Fibrous 3 Other 7 Black 2 Heterogeneous Crushed Amosite 2 Glass 2 Mica 2 Grey 3 Mm. Wool 3 Gypsum 4 Cal. Carbonate Dissolved Anthophylhte 3 Tan 8 Silver 3 Other Ashed Synthetic 9 Blue 4 Layers (#) 4 White 5 Red 4 Tremohte Actmohte 0 Orange 5 Matrix Crocadolite Wollastomte 6 Perlite Harr Other 0 None Detected Non **Fibrous** Non-Fibrous Asb % ASBESTOS Туре Char Appearance **Treatment** Type Sample Location 100 WP WB52006 2 М s 2 В E 602 1 Chrysotile 1 7 99 54 WB51918 2 2 601 B s Ε B М s В Ε ₿ s М В E B s В E ₿ S E В ₿ М S

Computer \_\_\_\_

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EMSL Indianapolis 6330 E 75th St Suite 152, Indianapolis IN 46250

6330 E /Sth St , Suite 152 Indianapolis, IN 46250

Phone (317) 570-5892

7-5892 Fax (317) 570-5894 EMS Thursday, July 16, 1998

Attn Chris Sansome

Ecology & Environment
11550 New Castle Avenue

Suite 250 Baton Rouge, LA 70816 **REC'D** JUL 2 3 1998

Ref Number IN982341

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### **Project 020601 WESTBANK ASBESTOS**

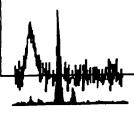
			SAMPLE	ASBE:	<u>stos</u>		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	<b>APPEARANCE</b>	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS1928G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	Non	e Detected				Quartz Other
WBS2002G01		Brown Non Fibrous Homogeneous	Crushed	2% Chry < 1% Croc					Quartz Other
WBS2002G02		Brown Non Fibrous Homogeneous	Crushed	Non	e Detected				Quartz Other
WBS2002G03		Brown Non Fibrous Homogeneous	Crushed	Non	e Detected				Quartz Other
WBS974G01PH		Brown Non-Fibrous Hornogeneous	Crushed	2% Chry	/sotile				Quartz Other
WBS1950G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chry < 1% Croc					Quartz Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198-1 Method

Jane Wasılewskı Analyst Approved Signatory

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Attn Chris Sansome **Ecology & Environment** 11550 New Castle Avenue **Suite 250** Baton Rouge, LA 70816

Thursday, July 16, 1998

Ref Number IN982341

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601 WESTBANK ASBESTOS

			SAMPLE	ASBI	<u>stos</u>		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS
WBS1950G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	No	ne Detected				Quartz Other
WBS1950G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Ch < 1% Cr	=				Quartz Other
WBS1943G01		Brown Non Fibrous Homogeneous	Crushed	No	ne Detected				Quartz Other
WBS1943G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Ch < 1% Cro					Quartz Other
WBS2008G01		Brown Non Fibrous Homogeneous	Crushed	No	ne Detected				Quartz Other
WBS2008G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Ch < 1% Cro					Quartz Other

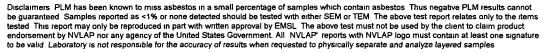
Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

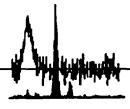
NY samples also analyzed by ELAP 198 1 Method

ane Wasilewski Analyst

Approved

Signatory





6330 E 75th St , Suite 152 Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-5894 EMS

Attn Chris Sansome **Ecology & Environment** 11550 New Castle Avenue Suite 250 Baton Rouge, LA 70816

Thursday, July 16, 1998

**Ref Number** IN982341

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601 WESTBANK ASBESTOS

			SAMPLE	<u>ASB</u>	<u>ESTOS</u>		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS2008G03	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	No	ne Detected				Quartz Other
WBS2008G04		Brown Non Fibrous Homogeneous	Crushed	< 1% Ct < 1% Cr	•				Quartz Other

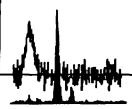
Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

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Client	Ecology	& Environmen	nt		Logged	7/14	/98			TAT	1 Day	1			
Address	Surte 250 Baton Ro	ouge LA 7081		C	Date/Time Due	7/15/98 9 00 AM Special Handling					Billing Number				
Fax	(504) 363	3 4732										ING	9823	<b>4</b> 1	
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		Appearance		Treatment	Asbestos Results	s	Fibroi	JS	Non F	ibrous	- <del></del>	Opti	cal Pr	operties	<u> </u>
1 Brown 2 Grey 3 Tan 4 White Red	o Vanous Plack Silver Blue Orange	1 Fibrous 2 Non Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	4 Ashed	Chrysotile     Arnosite     Anthophyllite     Tremolite     Actinolite     Crocidolite     None Detected	3 4 5 6	Cellulose Glass Min Wool Synthetic Other Wollastorute Hair		1 Quartz 2 Mica 3 Gypsum 4 Cal Carl 5 Matrix 6 Perlite 7 Other		Non	i Wavy 2 Straigh 3 Specifi	1 M4	1	
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Client

7/14/98

TAT

1 Day

**Ecology & Environment** Logged 11550 New Castle Avenue 7/15/98 9 00 AM Address Date/Time Due Surte 250 Baton Rouge LA 70816 Special Handling Billing Number (504) 363 - 4732 Fax IN982341 **Project** 020601 WESTBANK ASBESTOS Appearance Optical Properties Treatment Asbestos Results **Fibrous** Non Fibrous Fibrous Chrysotile 1 Cellulose Quartz i Brown 6 Various 7 Black l Homogeneous Teased 2 Crushed 3 Dissolved 4 Ashed 2 Glass 3 Mm Wool Non Fibrous 2 Heterogeneous 2 Amosite Vica 2 Non I 3 Other 8 Silver Other Anthophylhte 3 Gypsum 4 Cal Carbonate 4 Synthetic 4 White 9 Blue 4 Layers (#) Tremolite Matrix Actmobite 5 Red 0 Orange Crocidolite Wollastorute Perlite Hair Other 0 None Detected Non Fibrous Non Fibrous Asb Char % ASBESTOS Location Appearance Treatment Type Type Sample 1 1943 601 2 М s 2 E В 158 60 -54 I 4 602 21 E | 1 フロ М S 2 2608,601 2 P В 154 402 45 S 603 2 P В ΕI 153 -21 154 ٦ P E B/ s Z P В E ! ₽ S Ε Analyst Date 压MSL Indianapolis 6330 E 75th St Suite 152 Indianapolis IN 46250

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EPA 7500-53 (11/96)

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6330 E 75th St , Suite 152 Indianapolis, IN 46250

Phone (317) 570-5892

Fax (317) 570-5894 EMS

Attn Chris Sansome **Ecology & Environment** 11550 New Castle Avenue Suite 250

Baton Rouge, LA 70816

Friday, July 17, 1998

**REC'D** AUG 1 0 1998

Ref Number IN982388

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project 020601 WESTBANK ASBESTOS

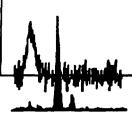
		APPEARANCE	SAMPLE	ASBE:	<u>stos</u>	NONASBESTOS				
SAMPLE	LOCATION		TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS	
WBS1812G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	Non	e Detected				Quartz Other	
WBS2008G05		Brown Non Fibrous Homogeneous	Crushed	Non	e Detected				Quartz Other	
WBS2008G06		Brown Non Fibrous Homogeneous	Crushed	None	e Detected				Quartz Other	
WBS2008G07		Brown Non Fibrous Homogeneous	Crushed	None	e Detected				Quartz Other	
WBS971G03		Brown Non Fibrous Homogeneous	Crushed	None	e Detected				Quartz Other	
WBS971G04		Brown Non Fibrous Homogeneous	Crushed	None	e Detected				Quartz Other	

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips Analyst

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Ref Number

IN982388

### POLARIZED LIGHT MICROSCOPY (PLM)

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Project 020601 WESTBANK ASBESTOS

			SAMPLE	<u>ASB</u>	<u>ESTOS</u>		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROU
WBS1934G03	6) (6)	Brown Non Fibrous Homogeneous	Crushed	2% Ch < 1% Cr	rysotile ocidolite				Quartz Other
WBS2006G01P HII		Brown Non Fibrous Homogeneous	Crushed	No	ne Detected				Quartz Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples

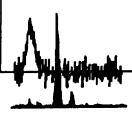
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Analyst

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Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188 0)



PROJECT NAME PROJ NO WESTBANK RESISTOS Remioval NO SAMPLERS (Signature) OF arrow **REMARKS** CON **TAINERS** EPA TAG # DATE TIME STATION LOCATION STA NO MRAIBIS FOR 714 0955 -152341 485200 1040 6-152342 J85000 8 1045 6-152343 606 UBSAOS pso 6-15 2344 607 V65971, 1115 0850 6-152345 110091 0455 6-152346 602 165 1934 0925 6-152347 600 TOOG 1340 6-152348 Religguished by (Signature) Date / Time Relinquished by (Signature) Received by (Signature) Date / Time Received by (Signature) 15/98 (30 Received by (Signature) Relinquished by (Signature) Date / Time Relinquished by (Signature) Date / Time Received by (Signature) Date / Time Remarks Relinquished by (Signature) Date / Time Received for Laboratory by (Signature) Airbill Number 460464709418 Shipped by Distribution White Accompanies Shipment Pink to Coordinator Field Files

EPA 7500-53

Green to Report Yellow Returns with Warrant

<sup>6-</sup> 10257

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645 = MS

Ecology & Environment, Inc REC'D AUG 0 3 1998 11550 Newcastle Ave #250 Baton Rouge LA 70816

Monday July 27 1998

Ref Number TX983532

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601-WESTBANK ASBESTOS REMOVAL

			SAMPLE	ASBE	<u>stos</u>		NONASB	ESTOS	
SAMPLE	(b) (6)	APPEARANCE	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS1032G01		Brown Non-Fibrous Homogeneous	Crushed	2% Chr	ysotile			98%	Other
WBS1032G02		Brown Non-Fibrous Homogeneous	Crushed	2% Chr	ysotile			98%	Other
WBS1709G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			100%	Other
WBS1709G02		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chry	/sotile			100%	Other
WBS1709G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chry	/sotile			100%	Other
WBS1709G04		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chry	<i>r</i> sotile			100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers refers to number of separable subsamples

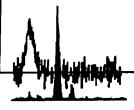
\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salinas **Analyst** 

**Approved** Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106 Texas Dept. of Health #30-0159)



2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635



Attn Chris S **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Monday, July 27 1998

Ref Number TX983532

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601-WESTBANK ASBESTOS REMOVAL

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBE %	STOS TYPE	%	<u>NONASB</u> FIBROUS	ESTOS %	NONFIBROUS
WBS1709G05	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			1009	6 Other
WBS1709G06		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			1009	6 Other
WBS1709G07		Brown Non-Fibrous Homogeneous	Crushed	2% Chr	ysotile			989	6 Other
WBS1709G08		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			100%	6 Other
WBS1709G09		Brown Non Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			100%	6 Other
WBS1709G10		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			100%	6 Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also "# of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salınas

**Analyst** 

**Approved** Signatory

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med by EMSI. Houston (NVI AP Air and Rulk #102106, Texas Dept. of Health #30-0159)

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635



Attn Chris S **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Monday July 27 1998

Ref Number TX983532

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601-WESTBANK ASBESTOS REMOVAL

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u> % TYPE	<u>Nonas</u> % Fibrous	<u>SBESTOS</u> % NONFIBROUS
WBS1709G11	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile		100% Other
WBS1709G12		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile		100% Other
WBS1709G13		Brown Non-Fibrous Homogeneous	Crushed	None Detected		100% Other
WBS1709G14		Brown Non-Fibrous Homogeneous	Crushed	None Detected		100% Other
WBS1032G03		Brown Non-Fibrous Homogeneous	Crushed	None Detected		100% Other
WBS1032G04		Brown Non-Fibrous Homogeneous	Crushed	None Detected		100% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198-1 Method

Carlos D Salınas **Analyst** 

Approved Signatory



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Houston (NVI AR Air and Rulk #102108, Teyas Dent, of Health #30-0159)

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645 EMS

Attn Chris S **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge, LA 70816

Monday July 27 1998

Ref Number TX983532

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601-WESTBANK ASBESTOS REMOVAL

			SAMPLE	<u>ASB</u>	<u>ESTOS</u>		NONASB	ESTOS
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	% NONFIBROUS
WBS1834G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	No	one Detected			100% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples, each component is analyzed separately Also "# of Layers refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Carlos D' Salınas

**Analyst** 

(pproved Signatory



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EPA 7500-53

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EPA 7500-53 (11/96)

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645

EMSL

Attn Amanda Looney Ecology & Environment, Inc 11550 Newcastle Ave #250 Baton Rouge LA 70816

Tuesday July 28 1998

Ref Number TX983584

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project. 020601 RAG-WESTBANK ASBESTOS

			SAMPLE	<u>ASBESTOS</u>		NONASE	ESTOS	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	% TYPE	%	<b>FIBROUS</b>	% NON	FIBROUS
WBS624G02	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	None Detected			100% Other	r
WBS624G03		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			100% Other	r
WBS1870G01		Tan Non-Fibrous Homogeneous	Crushed	2% Chrysotile			98% Other	
WBS1870G02		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			100% Other	
WBS1910G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			100% Other	
WBS984G02		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			100% Other	

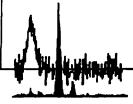
Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salinas Analyst Approved Signatory

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Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106, Texas Dept. of Health #30-0159)



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EPA 7500-53 (11/96)

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-364 EMS

Attn Amanda Looney Ecology & Environment, Inc. CD AUG 1 0 1998 Baton Rouge LA 70816

Tuesday July 28 1998

Ref Number TX983533

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project. 020601-WESTBANK ASBESTOS REMOVAL

			SAMPLE	<b>ASBESTOS</b>		NONASBI	<u>ESTOS</u>	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	% TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS2011G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			100%	Other
WBS2011G02		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			100%	Other
WBS1947G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			100%	Other
WBS1709G01A		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			100%	Other
WBS1709G02A		Brown Non-Fibrous Homogeneous	Crushed	None Detected			100%	Other
WBS1709G15		Brown Non-Fibrous Homogeneous	Crushed	4% Chrysotile			96%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers refers to number of separable subsamples

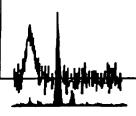
\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salinas **Analyst** 

**Approved** Signatory

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Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106 Texas Dept. of Health #30-0159)



2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635 Fax (713)

Fax (713) 686-364 EMSI

Attn Amanda Looney **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Tuesday July 28 1998

Ref Number TX983533

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project. 020601-WESTBANK ASBESTOS REMOVAL

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBE %	STOS TYPE	%	<u>NONASE</u> FIBROUS	<u>BESTOS</u> %	NONFIBROUS
WBS1709G16	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	5% Chr	rysotile			95%	Other
WBS2016G01		Brown Non-Fibrous Homogeneous	Crushed	2% Chr	ysotile			98%	Other
WBS1307G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			100%	Other
WBS1519G03		Brown Non-Fibrous Hornogeneous	Crushed	2% Chr	ysotile			98%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# o Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198-1 Method

Carlos D Salınas Analyst Approved Signatory

**M** 

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Analysis performed by EMSL Houston (NVLAP Air and Bulk #102100 Texas Dept. of Houlth #69-9450)

**OFFICIAL** CHAIN OF CUSTODY RECORD PROJECT NAME PROJ NO LIBRANK PERESTS FRANCINC NO SAMPLERS (Signature) OF **REMARKS** CON **TAINERS** GRAB COMP TIME STATION LOCATION STA NO DATE ווסאכטונו 6-15294 7/18' 0900 661 USZOII 0905 6-152195 642 185 1947 1000 6-152196 WB51709 6-152197 1310 6010 POFI COW Y 6-152198 1315 402 A 1351709 C15 6-152702 0840 Wissi 409 0850 120 W1 57016 0930 1-01 1035 G(t)VID 1514 1510 GYL Relinquished by , (Signature) Date / Time Received by (Signature) Relinquished by (Signature) Date / Time Received by (Signature) Relinquished by (Signature) Date / Time Relinquished by (Signature) Date / Time Received by (Signature) Received by (Signature) Date / Time Date / Time Remarks Relinquished by (Signature) Received for Laboratory by (Signature) Airbill Number Shipped by Distribution White Accompanies Shipment Pink to Coordinator Field Files,

EPA 7500-53

Green to Report Yellow Returns with Warrant

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645

Attn Amanda Looney Ecology & Environment, In REC'D AUG 1 0 1998

Monday August 03 1998

11550 Newcastle Ave #25 Baton Rouge LA 70816

Ref Number TX983614

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601RAG1-WESTBANK ASBESTOS

			SAMPLE	<u>ASB</u>	ESTOS		NONASE	ESTOS	
SAMPLE	LOCATION	<b>APPEARANCE</b>	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS1828G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% CI	nrysotile			1009	6 Other
WBS1996G03		Brown Non-Fibrous Homogeneous	Crushed	< 1% Ct	nysotile			100%	6 Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salinas **Analyst** 

**Exproved** Signatory

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### **ENVIRONMENTAL PROTECTION AGENCY**

## OFFICIAL CHAIN OF CUSTODY RECORD

PROJECT NAME PROJ NO ocoldo Westbank Asbestas RACE NO SAMPLERS ISMINETUREL OF REMARKS CON TAINERS COMP TIME STATION LOCATION DATE STA NO 10050 Relinquished by (Signagure) Date / Time Received by (Signature) Relinquished by (Signature) Date / Time Received by (Signature) 7-24-98 1500 Relinquished by (Signature) Date / Time Received by (Signature) Relinquished by (Signature) Date / Time Received by ||Signature| Relinquished by (Signature) Date / Time Received for Laboratory by Date / Time Remarks (Signature) Shipped by Airbill Number Distribution White Accompanies Shipment Pink to Coordinator Field Files

EPA 7500-53 (11/96)

Green to Report Yellow Returns with Warrant

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645 EMS

Attn Amanda Looney **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Monday, August 03 1998

REC'D AUG 1 0 1998 Ref Number TX983615

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

### Project. 020601RAG1-WESTBANK ASBESTOS

			SAMPLE	ASB	<u>ESTOS</u>		NONASE	BESTOS	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS1804G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Ch	rysotile			1009	6 Other
WBS1434G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Ch	rysotile			100%	6 Other
WBS1942G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Ch	rysotile			100%	o Other
WBS1972G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Ch	rysotile			100%	Other
WBS1972G02		Brown Non-Fibrous Homogeneous	Crushed	< 1% Ch	rysotile			100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also '# of Layers refers to number of separable subsamples

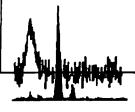
\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salinas **Analyst** 

**Approved** Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot Linsulariners PLM has been known to miss aspestus in a small percentage or samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106 Texas Dept. of Health #30-0159)



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7500-53 '96)

<sup>6-</sup> 10263

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645 EME

Attn Amanda Looney **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Monday August 03 1998

Ref Number TX983739

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project. 020601RAG-WESTBANK ASBESTOS

			SAMPLE	<u>ASBESTOS</u>		NONASBESTOS	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	% TYPE	% F	IBROUS %	NONFIBROUS
WBS2003G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile		1009	6 Other
WBS2003G02		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile		100%	6 Other
WBS2003G03		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile		100%	6 Other
WBS2003G04		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile		100%	6 Other
WBS2003G05	-	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile		100%	6 Other
WBS037G01		Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile		100%	6 Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also "# of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

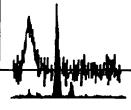
Carlos D Salinas

**Analyst** 

Approved Signatory

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Analysis performed by EMSL Houston (NVLAP Air and Bulk #102108 Texas Dept. of Health #30-0159)



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Phone (713) 686-3635



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Monday August 03 1998

Ref Number TX983739

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601RAG-WESTBANK ASBESTOS

			SAMPLE	<u>ASB</u>	<u>ESTOS</u>		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	<b>APPEARANCE</b>	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS037G02	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	2% Ct	nrysotile			989	6 Other
WBS037G03		Brown Non-Fibrous Homogeneous	Crushed	< 1% Cr	arysotile			100%	o Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198-1 Method

Carlos D Salınas

**Analyst** 

**Approved** Signatory

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Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106 Texas Dept. of Health #30-0159)



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WB52WB3		1405	X			[	,	Ti	X				6-152723
MOE 2003		1410	X					1	X				6-152724
MQ2503		1415	V					Ì	X				6-152725
WBS 2003		1420	X				/		X				6-152726
WC6037		1440	U		b) (6)			ì	X				6-152727
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EPA 7500-53

2501 Central Pkwy, C-13 Houston, TX 77092 Phone (713) 686 3635

Phone (713) 686-3635 Fax (7

Fax (713) 686-3645 EMSL

Attn Amanda Loone

Ecology & Environment, Inc
11550 Newcastle Ave #250

Baton Rouge, LA 70816

Thursday November 19, 1998

Ref Number TX985390

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

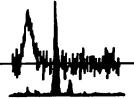
**Project WESTBANK ASBESTOS (020601)** 

			SAMPLE	<u>ASBESTOS</u>		NONASBESTOS	<u> </u>
SAMPLE	LOCATION	APPEARANCE	TREATMENT	% TYP!	E %	FIBROUS %	NONFIBROUS
WBS2020-G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		1004	% Other
WB\$553-G02		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		1009	6 Other
WBS1922 G01		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		1009	6 Other
WBS1921 G01		Brown Non Fibrous Homogeneous	Teased	2% Chrysotile		989	6 Other
WBS1909-G01		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		1009	6 Other
WBS1909 <del>-C01</del> Go2		Brown Non Fibrous Homogeneous	Teased	None Detect	ted	1009	6 Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also '# of Layers' refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salınas Analyst pproved Signatory



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2501 Central Pkwy, C-13 Houston, TX 77092 Phone (713) 686-3635

tione (713) 686-3635 Fax (713) 686-3

Fax (713) 686-36. EMSL

Attn Amanda Loone

Ecology & Environment, Inc
11550 Newcastle Ave #250

Baton Rouge, LA 70816

Thursday, November 19, 1998

Ref Number TX985390

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

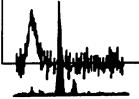
**Project WESTBANK ASBESTOS (020601)** 

			SAMPLE	ASE	<u>ESTOS</u>		NONASE	ESTOS	
SAMPLE	LOCATION	<b>APPEARANCE</b>	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROU
WBS1962 <del>-C04</del> G o Z.	b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1% 0	hrysotile			100%	Other
WBS1962- <del>002</del> 463		Brown Non-Fibrous Homogeneous	Teased	< 1% C	hrysotile			100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salınas Analyst Approved Signatory



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EPA 7500-53 (11/96)

2501 Central Pkwy, C-13 Houston, TX 77092 Phone (713) 686-3635

Fax (713) 686-3645

EMSL

Attn Amanda Loone

Ecology & Environment, Inc

11550 Newcastle Ave #250

Baton Rouge LA 7081 RECTO NOV \$ 0 1898

Tuesday November 24 1998

Ref Number TX985482

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

**Project WESTBANK ASBESTOS (020601)** 

			SAMPLE	ASBE	STOS		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS
WSB1916G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2% Chr	ysotile			98%	6 Other
WSB1916G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			100%	6 Other
WSB2017G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			100%	6 Other
WSB2017G02		Brown Non Fibrous Homogeneous	Crushed	2% Chr	ysotile			98%	6 Other
WSB2017G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chr	ysotile			100%	6 Other
WSB2017G04		Brown Non Fibrous Homogeneous	Crushed	2% Chr	ysotile			98%	o Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198 1 Method

Carlos Ď Salinas Analyst

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Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106. Texas Dept. of Health #30-0159)



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Shipped b	у						Airbill Number												
	Distribution White Accompanies Shipment Pink to Coord								es										

EPA 7500-53

2501 Central Pkwy, C-13 Houston, TX 77092 Phone (713) 686-3635

Fax (713) 686-3645 EMS

Attn Amanda Loone **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Thursday December 03 1998

Ref Number TX985404

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project. 020601-WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBE %	<u>STOS</u> TYPE	%	<u>NONASB</u> FIBROUS	ESTOS %	NONFIBROUS
WBS2025G01	(b) (6)	Brown Fibrous Homogeneous	Teased	3% Chr 2% Amo				95%	6 Other
WBS588G02		Brown Fibrous Homogeneous	Teased	< 1% Chr	ysotile			1009	6 Other
WBS726G01		Brown Fibrous Homogeneous	Teased	< 1% Chry	ysotile			1009	6 Other
WBS726G02		Brown Fibrous Homogeneous	Teased	5% Chry 3% Amo				929	6 Other
WBS1816G01		Brown Fibrous Homogeneous	Teased	< 1% Chry	rsotile			100%	6 Other
WBS1914G01		Brown Fibrous Homogeneous	Teased	2% Chry	rsotile			98%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Arthur Hernandez Jr **Analyst** 

Approved Signatory

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Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106 Texas Dept. or Health #30-0159)

60014	PROJ NO PROJECT NAME											7 7		
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WB52025	11/21/98	0720	<b>V</b>		(D) (b)				[l					6-152743
W\$\$588	11/23/98	1000	<b>V</b>				<u></u>	1	1					6-152744
WBS726 _GOI	11/23/98	1400	V					1	1					6-152.739
WB5726	11/23/98	1405	V					1	1					6-152745
GO)	11/24/18	1105	V				***************************************	1	11_					6-057801 6-057802
601	2025 11/21/98/0720 V 5588 11/23/98 1000 V 726 11/23/98 1400 V 726 11/23/98 1400 V 726 11/23/98 1405 V 727 11/24/98 1105 V 727 11/24/98 1430 V													6-057802
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EPA 7500-53 (11/96)

### VERBAL



FILES B-1 END FED

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635 Fax (713) 686-364.

Fax (713) 686-3645 EMSL

Attn Amanda Loone

Ecology & Environment, InREC'D DEC 1 4 1998

11550 Newcastle Ave #250

Baton Rouge LA 70816

Tuesday, December 08 1998

Ref Number TX985622

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project. 020601-RAG1-WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>Asbe</u> %	SIOS TYPE	%	<u>NONASB</u> FIBROUS	<u>ESTOS</u> %	NONFIBROUS
WB\$528G01	(b) (6)	Brown Fibrous Homogeneous	Teased	< 1% Chr	ysotile			1009	6 Other
WBS528G02		Brown Fibrous Homogeneous	Teased	2% Chr	ysotile			989	6 Other
WBS528G03		Brown Fibrous Homogeneous	Teased	3% Chr	ysotile			979	6 Other
WBS528G04		Brown Fibrous Homogeneous	Teased	< 1% Chr	ysotile			1009	6 Other
WBS528G05		Brown Fibrous Homogeneous	Teased	2% Chr	ysotile			989	6 Other
WBS528G06		Brown Fibrous Hornogeneous	Teased	< 1% Chr	ysotile			1009	6 Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Arthur Hernandez Jr

Analyst

Approved Signatory



Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

2501 Central Pkwy, C-13 Houston, TX 77092 Phone (713) 686-3635

Fax (713) 686-3645

EMSL

Attn Amanda Loone Ecology & Environment, Inc 11550 Newcastle Ave #250 Baton Rouge LA 70816

Tuesday December 08 1998

Ref Number: TX985622

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project 020601-RAG1-WESTBANK ASBESTOS

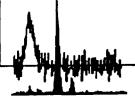
			SAMPLE	<u>ASB</u>	<u>ESTOS</u>		NONASB	<u>ESTOS</u>	
SAMPLE	LOCATION	<b>APPEARANCE</b>	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS528G07	(b) (6)	Brown Fibrous Homogeneous	Teased	< 1% Ch	nysotile		-	100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Arthur Hernandez, Jr Analyst

Approved Signatory



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EPA 7500-53

Report Yellow Returns with Warrant

2501 Central Pkwy, C-13 Houston, TX 77092 Phone (713) 686-3635

Fax (713) 686-3645 EMSI

Attn Amanda Loone **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge, LA 70816

Friday December 11 1998

REC'D DEC 2 1 1998ef Number TX985681

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

Project. 020601RAG1-WESTBANK ASBESTOS

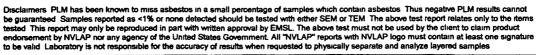
			SAMPLE	<u>ASBESTOS</u>		NONASBESTOS	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	% TYPE	% FIB	ROUS %	NONFIBROUS
WBS336G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	2% Chrysotile		98%	Other
WBS336G02		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		100%	o Other
WBS336G03		Brown Non-Fibrous Hornogeneous	Teased	5% Chrysotile		95%	Other
WBS1550G01		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		100%	Other
WBS2023G01		Brown Non-Fibrous Homogeneous	Teased	2% Chrysotile		98%	Other
WBS2023G02		Brown Non-Fibrous Hornogeneous	Teased	< 1% Chrysotile		100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salinas **Analyst** 

Signatory



2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635 Fax (713) 686-3645

EMSL

Attn Amanda Loone Ecology & Environment, Inc 11550 Newcastle Ave #250 Baton Rouge, LA 70816

Friday December 11 1998

Ref Number TX985681

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

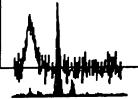
Project. 020601RAG1-WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u> % TYPE	<u>nonasbestos</u> % fibrous % nonfibrous
WBS2024G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile	100% Other
WBS2024G02		Brown Non-Fibrous Homogeneous	Teased	2% Chrysotile	98% Other
WBS2024G03		Brown Non-Fibrous Homogeneous	Teased	2% Chrysotile	98% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also "# of Layers" refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198-1 Method

Carlos D Salınas Analyst Approved Signatory



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EPA 7500-53 (11/96)

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645 EMS

Attn Amanda Loone **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Wednesday December 16 1998

**REC'D DEC 2 1 1998** Ref Number TX985735

#### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601-RAG1-WESTBANK ASBESTOS

			SAMPLE	<u>ASBESTOS</u>		NONASB		
SAMPLE	LOCATION	APPEARANCE	TREATMENT	% TYPE	%	FIBROUS	%	NONFIBROUS
WBS1895G01	b) (6)	Brown Non Fibrous Homogeneous	Teased	2% Chrysotile			98%	6 Other
WBS1895G02		Brown Non Fibrous Homogeneous	Teased	< 1% Chrysotile			100%	6 Other
WBS1895G03		Brown Non Fibrous Homogeneous	Teased	< 1% Chrysotile			100%	6 Other
WBS1879G01		Brown Non Fibrous Homogeneous	Teased	4% Chrysotile			96%	6 Other
,WBS1879G02		Brown Non Fibrous Homogeneous	Teased	4% Chrysotile			96%	6 Other
WBS1879G03		Brown Non Fibrous Homogeneous	Teased	2% Chrysotile			98%	6 Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198 1 Method

Carlos D Salinas **Analyst** 

proved Signatory



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2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645 EVS

Attn Amanda Loone **Ecology & Environment, Inc** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Wednesday December 16 1998

Ref Number TX985735

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601-RAG1-WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u> % TYPE	<u>NONASBESTOS</u> % FIBROUS % NONFIBROUS
WBS1708G01	(b) (6)	Brown Non Fibrous Homogeneous	Teased	< 1% Chrysotile	100% Other
WBS1708G02		Brown Non Fibrous Homogeneous	Teased	2% Chrysotile	98% Other
WBS1708G03		Brown Non Fibrous Homogeneous	Teased	2% Chrysotile	98% Other
WBS1708G04		Brown Non Fibrous Homogeneous	Teased	< 1% Chrysotile	100% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198 1 Method

Carlos D Salınas **Analyst** 

Approved Signatory

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WBS1842 12%		X			•	6	1	X					6-152273
100 PA 149 149	98 1310	ıχ		(b) (6)			1_	X					6-152274
WBS1879 12/6/	/	X				)	1	χ					6-152275
4051879 12/9	40 1619	X			•	4	1	χ					6-152276
WBS 1708 12/10/	48 157	$\forall X$		"(b) (6)			1	X					6-152277
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EPA 7500-53

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635



Attn Amanda Loone **Ecology & Environment, Inc.** 11550 Newcastle Ave #250 Baton Rouge LA 70816

Monday January 11 1999

Ref Number TX9949

# POLARIZED LIGHT MICROSCOPY (PLM)ECD JAN 1 5 1999

Performed by EPA 600/R-93/116 Method\*

#### Project 020601-RAG1-WESTBANK ASBESTOS

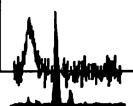
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBES</u> %	STOS TYPE	%	<u>NONASB</u> FIBROUS	<u>ESTOS</u> % NONFIBRO
WBS1708G07	b) (6)	Brown Non Fibrous Homogeneous	Teased	< 1% Chry	/sotile			100% Other
,WBS1708G08		Brown Non Fibrous Homogeneous	Teased	2% Chry	/sotile	ł		98% Other
WBS1708G05		Brown Non Fibrous Homogeneous	Teased	2% Chry	rsotile			98% Other
WBS1708G06		Brown Non Fibrous Homogeneous	Teased	2% Chry	/sotile		<del>-</del>	98% Other
WBS1708G09		Brown Non Fibrous Homogeneous	Teased	2% Chry	rsotile	<del></del> -		98% Other
		Brown Non Fibrous Homogeneous	Teased	2% Chry	rsotile	-		98% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

\* NY samples also analyzed by ELAP 198 1 Method

Carlos D Salınas **Analyst** 

bproved Signatory



Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed Samples reported as <1.6 or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples

2501 Central Pkwy, C-13 Houston, TX 77092

Phone (713) 686-3635

Fax (713) 686-3645 EMS

645 EMSL

Attn Amanda Loone
Ecology & Environment, Inc
11550 Newcastle Ave #250
Baton Rouge LA 70816

Monday January 11 1999

Ref Number TX9949

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

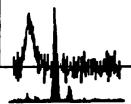
#### Project 020601-RAG1-WESTBANK ASBESTOS

			SAMPLE	<u>ASBE</u>	STOS		NONASB	ESTOS	
SAMPLE	LOCATION	<b>APPEARANCE</b>	TREATMENT	%	TYPE	%	<b>FIBROUS</b>	%	NONFIBROUS
WBS1708G11	i) (6)	Brown Non Fibrous Homogeneous	Teased	2% Ch	rysotile			98%	Other
WBS1708G12		Brown Non Fibrous Homogeneous	Teased	2% Ch	rysotile			98%	Other
WBS1708G13		Brown Non Fibrous Homogeneous	Teased	2% Chi	rysotile			98%	Other
WBS1963G01		Brown Non Fibrous Homogeneous	Teased	< 1% Chi	ysotile	Andrew Continue of	<u> </u>	100%	Other
WBS1963G02		Brown Non Fibrous Homogeneous	Teased	< 1% Chr	ysotile	1	<del></del>	100%	Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198 1 Method

Carlos D Salınas Analyst Approved Signatory



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### **ENVIRONMENTAL PROTECTION AGENCY**

## OFFICIAL CHAIN OF CUSTODY RECORD

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W051708	12/11/98	1525	X				1	χ				6-152			
WBS1708	2/11/48	1530	X				1	X				6-152			
WBS1708	12/4/98	1550	X				1	X				6-1527			
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WB51708	12/1.48	1605	X				1	X				6-157			
WBS 1708	13/11/1	1636	V		7		1	X				6-157			
WBS/963	12/12/98	1000	X		(b) (b)		1	X				6-152			
WB51963 GØZ	12/12/98	1010	X		Ü		l	×				6-1522	- 1 "		
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Relinguish	ed by	(Signature	)		Date / Time	Received for Laborator (Signature)	y by		Date / Tii	me	Remark				
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-		Dist	ributi			hipment Pink to Coordina	ator Field Fi	es							
FΡΔ	7500-	53		G	reen to Report Yello	w Returns with Warrant							6	- 10288	

EPA 7500-53 (11/96)

7136863645

2501 Central Pkwy, C-13 Houston, TX 77092 Phone (713) 686-3635

Fax (713) 686-3645

Aftn Jeff Wright **Ecology & Environmental** 11550 Newcastle Avenue 250 Baton Rouge LA 70816

Friday February 05 1999

Ref Number TX99387

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601RAG1-WEST BANK ASBESTOS

				SAMPLE	<u> </u>	<u>ISBESTOS</u>		NONASBESTOS					
	SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS			
	WBS2027 S1	PRE REMOVAL	Brown	Teased	7 -	None Detected	)	2% Cellulose	 96 <sup>-</sup>	% Other			
	j		Fibrous	ļ	,		1	2% Glass					
1			Homogeneous				1						
	<u></u>						_ i	-					

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples, each component is analyzed separately Also, # of tayers refers to number of separable subsamples

NY samples also analyzed by ELAP 198-1 Method

Cartis Gingg Analyst\

Approved Signatory



Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to dailing product and desemble to NVLAP nor any agency of the United States Government. All "NVLAP reports with NVLAP logo must contain at least one signature." to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106, Texas Dept. of Health #30-0159)

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Region 6 CHAIN O							OFFIG OF CUS	/ REC	ORI	D			PAREGION 6 1445 Ross Avenue Suite 1200 Dallas Texas 75202-2733				
PROJ NO PROJECT NAME 020601 WEST BANK ASDESTOS SAMPLERS (Signature)  The sample of the							NO OF CON							7	REMARKS		
STA NO DATE	TIME	COMP	GRAB		STATIO	N LOCATIO	ON	TAINERS	/		/	/,	//				
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						0	0.0										— — —
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Relinquished by 13	ignature)			Date	/Time	Received (Signature)	for Laborator	y by		Date	/Tsm	e	Remark				
shipped by	·				<del></del>	Airbill Nu	mber		-				7 1	K56103/	020	GOIRAGI	1

PAGE

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2501 Central Pkwy, C-13

Houston, TX 77092

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EMSL

Attn Amanda Bordelar **Ecology & Environmental**11550 Newcastle Avenue
250

Baton Rouge LA 70816

Tuesday, January 11 2000

Ref Number

TX0040

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

### Project 020601RAXX-WESTBANK ASBESTOS

Sample Location Appearance		Sample Treatment	ASBESTOS % Type	%	<u>NON-AS</u> Fibrous	BESTOS % Non-Fibrous	
WBS1053 G01		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile			97% Other
WBS1053 G02		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile			98% Other
WBS1053 G03		Brown Non Fibrous Homogeneous	Crushed	5% Chrysotile			95% Other
WBS531 G03		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile			98% Other
WBS2029 G01		Brown Non Fibrous Homogeneous	Crushed	30% Chrysotile			70% Other
WBS992 G05		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile			98% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

NY samples analyzed by ELAP 198 1 Method

Carlos D Salinas Analyst

Approved Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1.6 or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced except in full without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106 Texas Dept. of Health #30-0159)



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Fax (713) 686-3645



Attn Amanda Bordelar

Ecology & Environmental
11550 Newcastle Avenue
250

Baton Rouge LA 70816

Tuesday January 11 2000

Ref Number TX0040

### POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method\*

#### Project 020601RAXX-WESTBANK ASBESTOS

			Sample	ASBE	ESTOS	NON-ASBESTOS				
Sample	Location	Appearance	Treatment	%	Type	%	Fibrous	%	Non-Fibrous	
WBS2028 G01		Brown Non Fibrous Homogeneous	Crushed	5% Ch	ırysotile			95%	% Other	
WBS2028 G02		Brown Non Fibrous Homogeneous	Crushed	30% Ch < 1% Cro				70%	% Other	
WBS2028 G03		Brown Non Fibrous Homogeneous	Crushed	4% Ch	ırysotile			96%	% Other	
WBS2028 G04		Brown Non Fibrous Homogeneous	Crushed	2% Ch	nrysotile			98%	% Other	
WBS2026 G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Ch	rysotile			100%	% Other	

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

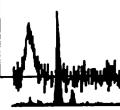
NY samples analyzed by ELAP 198 1 Method

Carlos D Salinas Analyst

Approved Signatory

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Analysis performed by EMSt. Houston (NVLAP Air and Bulk #102106 Texas Dept. of Health #30-0159)



PO# 11340) **OFFICIAL CHAIN OF CUSTODY RECORD** PROJ NO **PROJECT NAME** OZOGOIRAXX Asbustas NO SAMPLERS (Signature) OF marche Dordelar REMARKS CON **TAINERS** COMP DATE TIME STATION LOCATION STA NO 1450 WBS10536701 12-8-99 1053 3 12-9-99 1048 1 12-10-99/1020 12-1099 1500 フ 2028 12-17-911402 9 0-057826 10 0-180410 11 2026 12-21-91 1830 Belinquished by (Signature) Date / Time Relinquished by (Signature) Received by (Signature) Received by (Signature) Date / Time 12-21-99 1.60 00 R 30 Relinquished by (Signature) Relinquished by (Signature) Date / Time Received by (Signature) Date / Time Received by (Signature) Remarks Wolf OZOGO IRAXV Relinquished by (Signature) Date / Time Received for Laboratory by Date / Time (Signature) Airbill Number 812756809469 Shipped by Distribution White Accompanies Shipment Pink to Coordinator Field Files Green to Report Yellow Returns with Warrant EPA 7500-53 10453 (11/96)

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**ENVIRONMENTAL PROTECTION AGENCY**